

FIG. 1

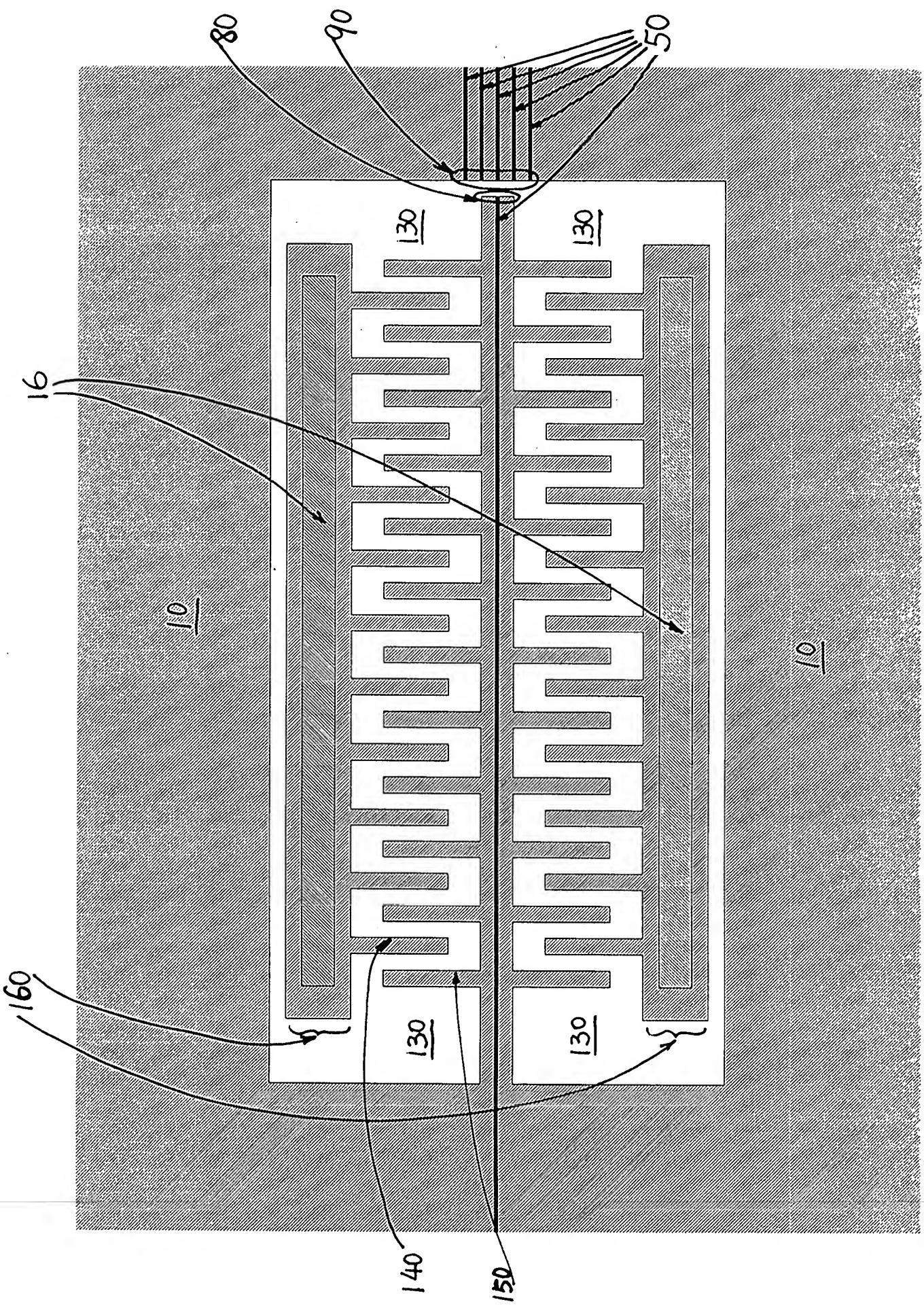


FIG. 2

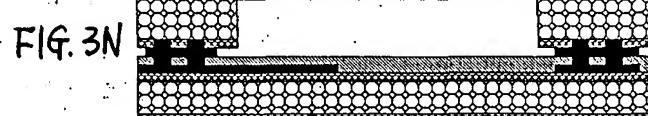
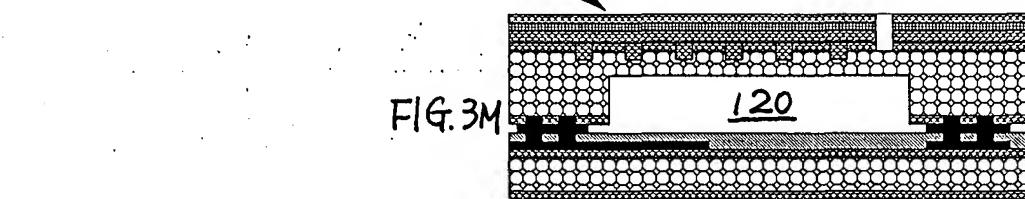
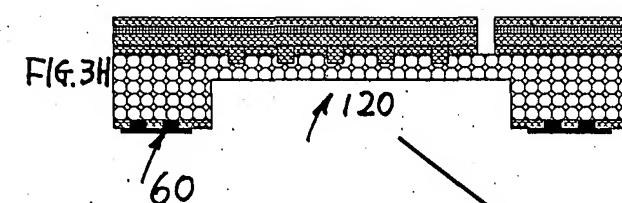
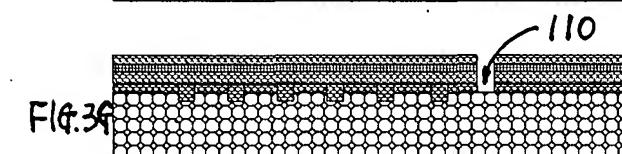
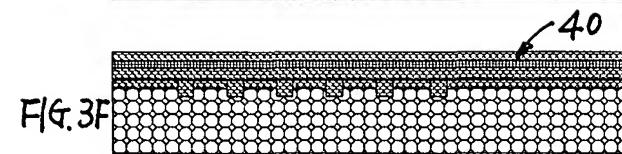
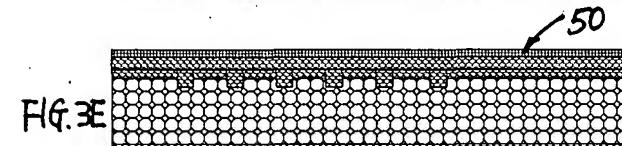
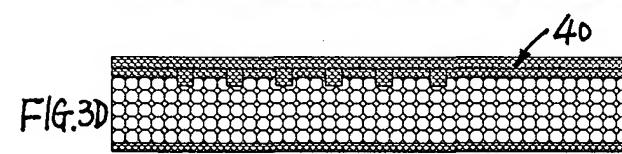
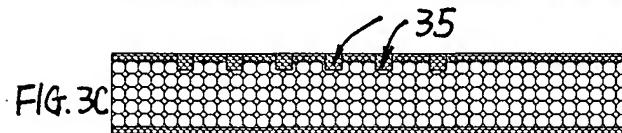
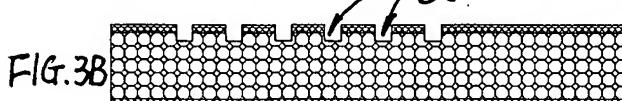
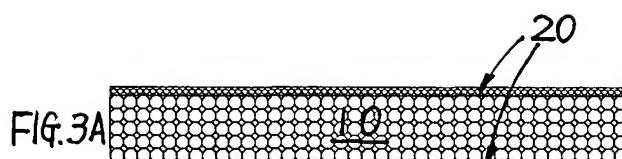
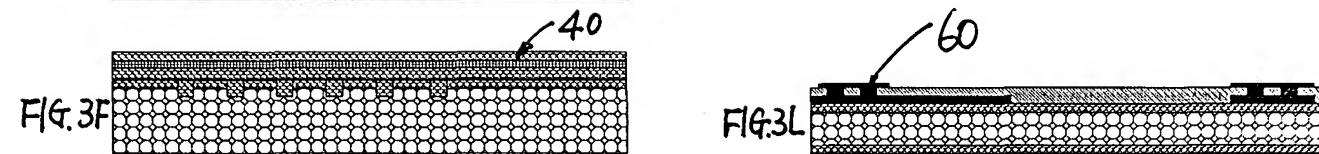
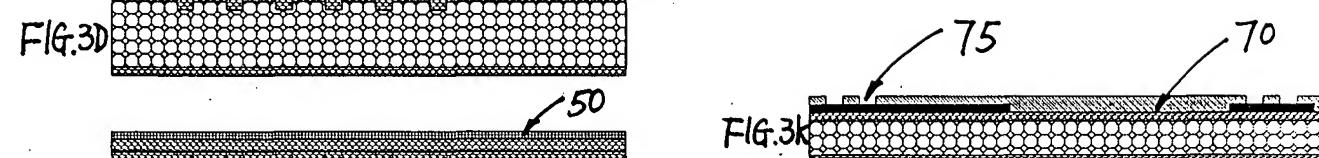
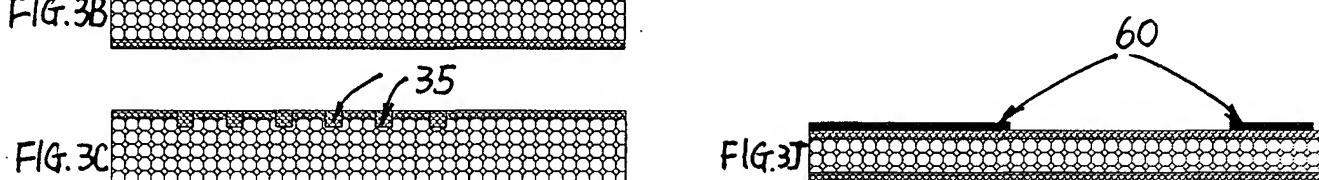
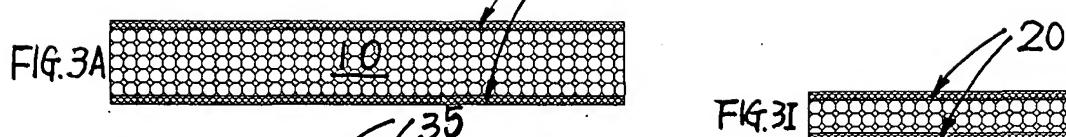


FIG. 3



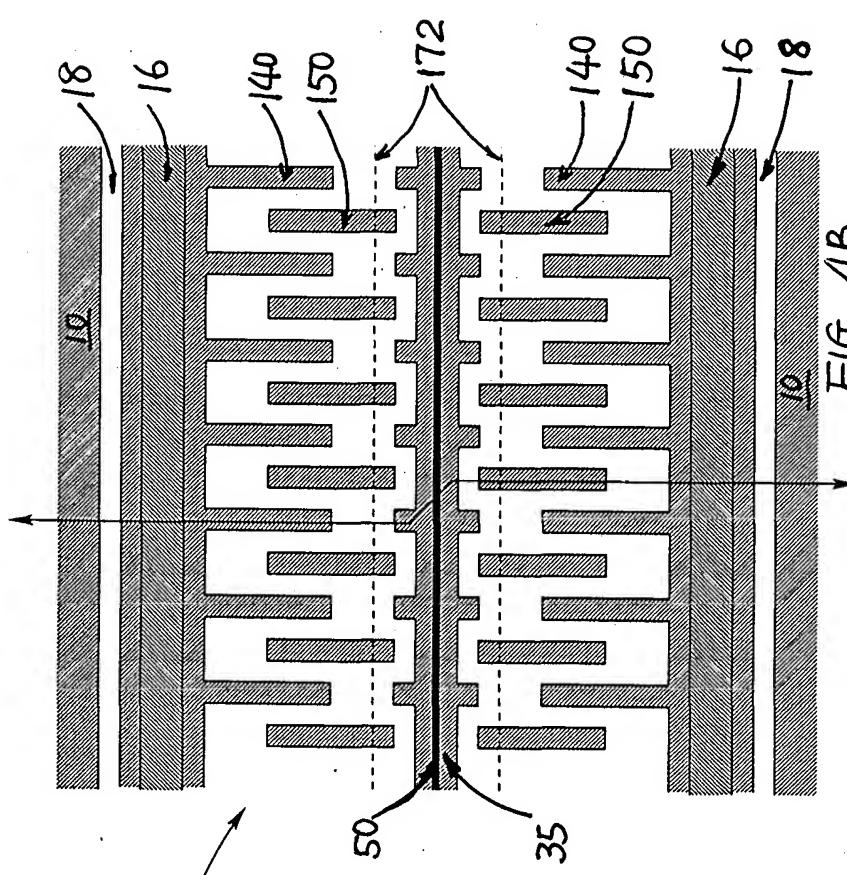
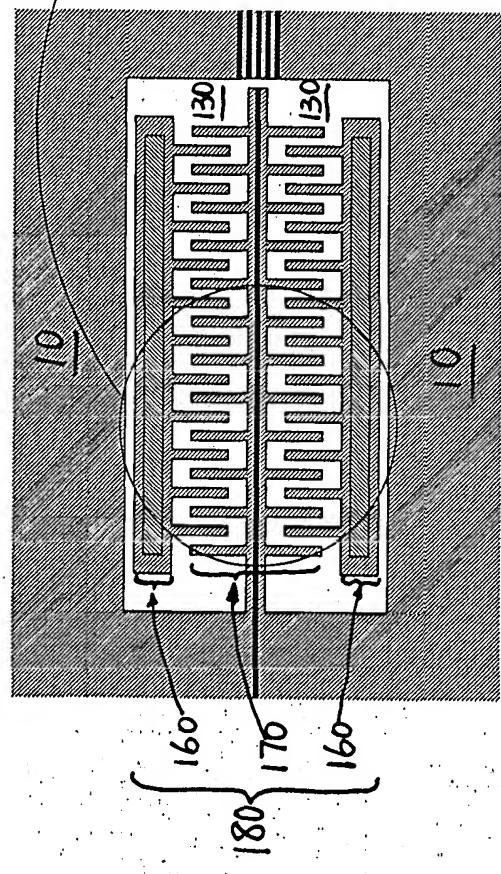


FIG. 4A



The diagram illustrates a cross-section of a composite panel structure. It consists of several layers of different materials. The top layer is a light-colored material with a thickness of 15. Below it is a dark hatched layer with a thickness of 40. A wavy-line patterned layer follows, with a thickness of 10. Another dark hatched layer is present, with a thickness of 10. The next layer is a light-colored material with a thickness of 120. A dark hatched layer with a thickness of 10 is positioned below it. A wavy-line patterned layer with a thickness of 10 is at the bottom. The total height of the panel is indicated as 170.

FIG. 4C

FIG. 4

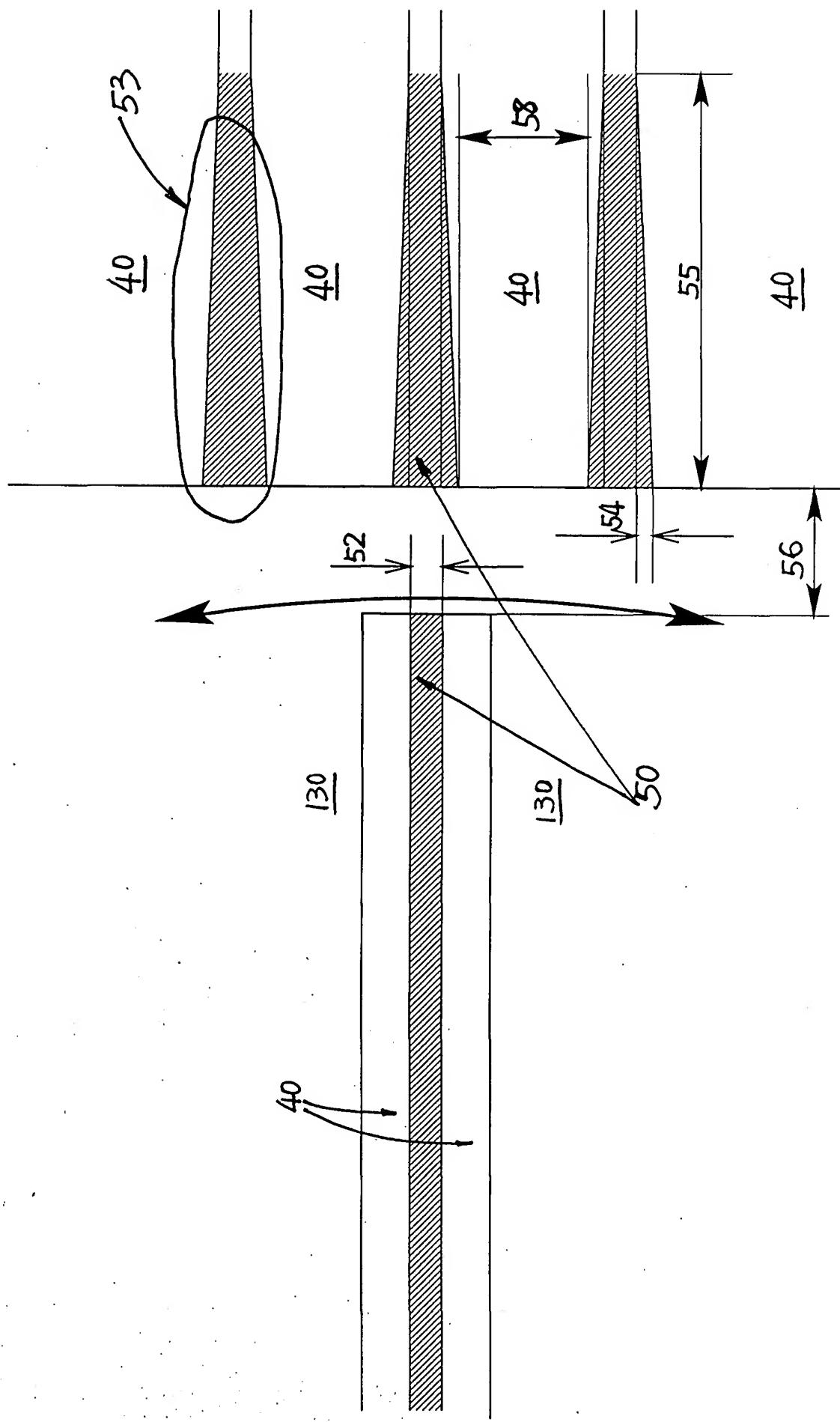


FIG. 5

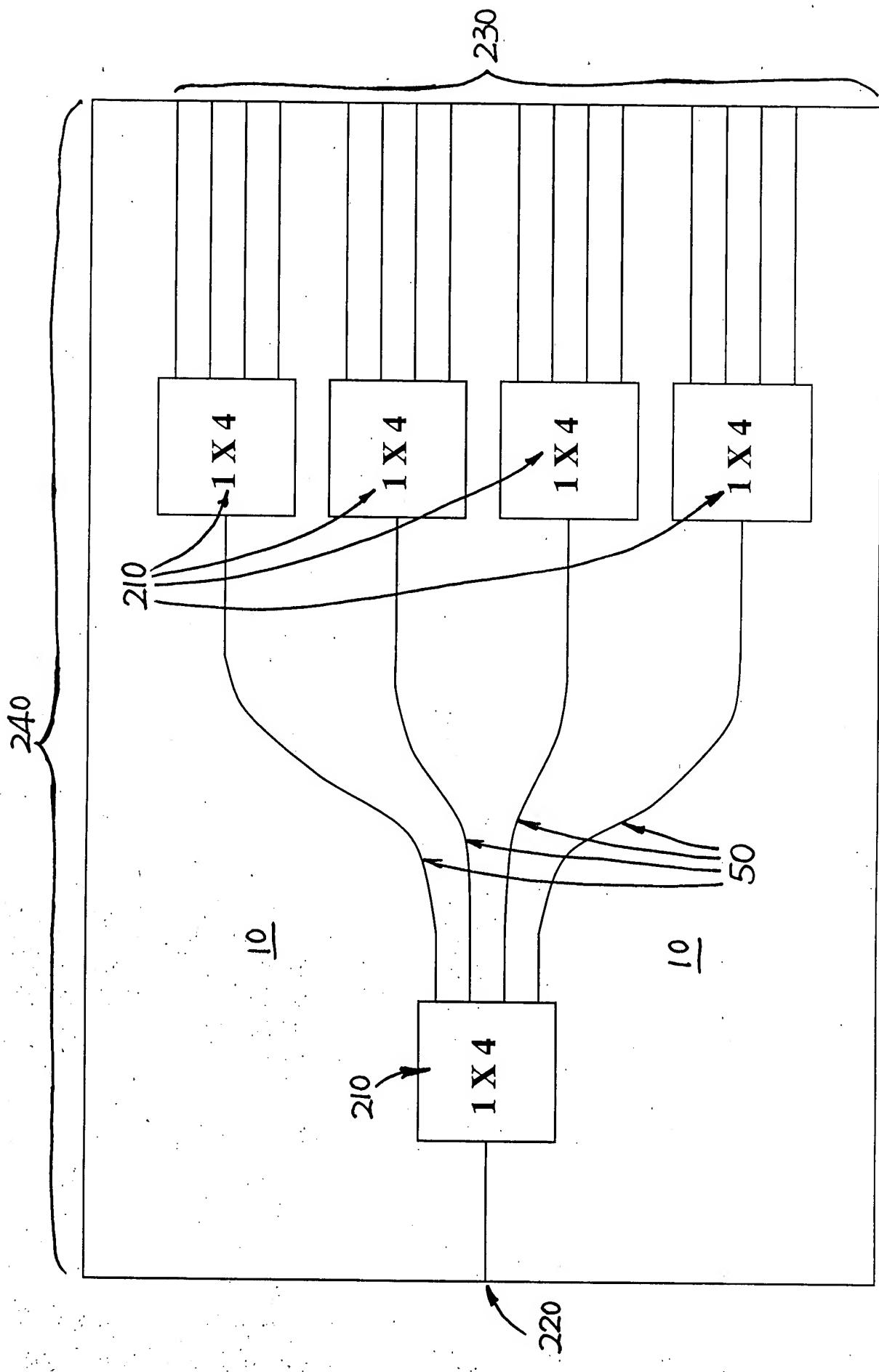


FIG. 6

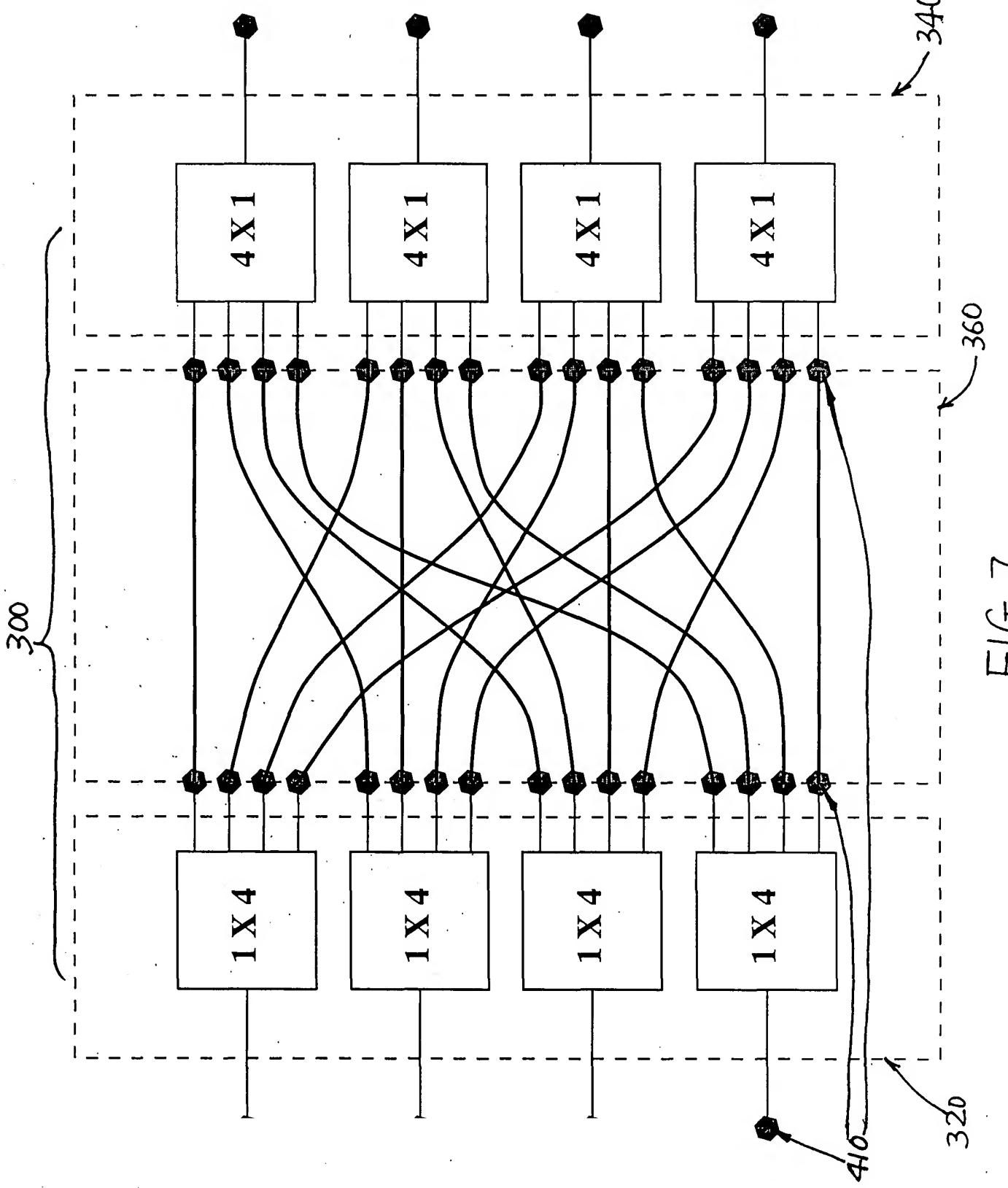


FIG. 7

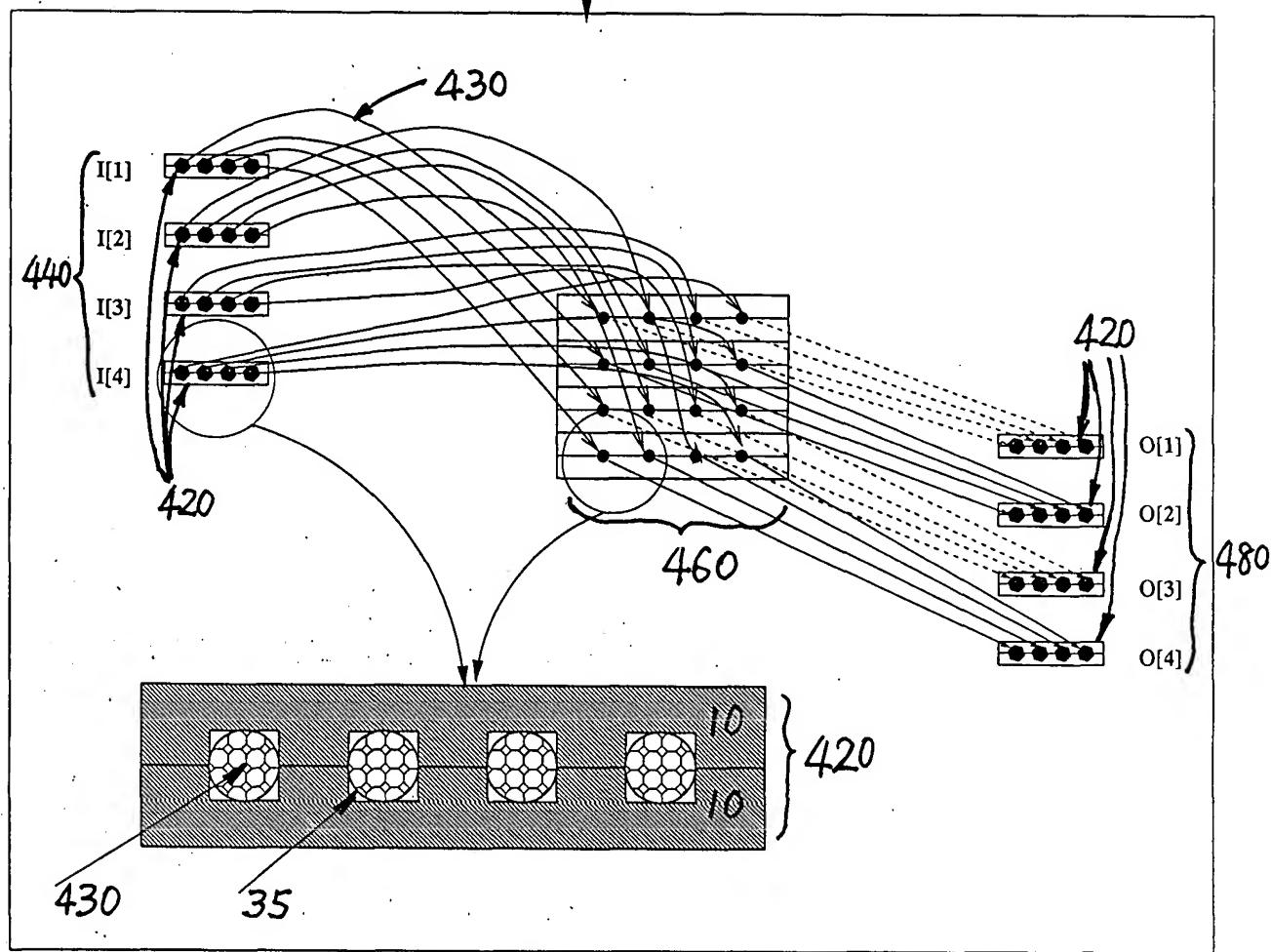
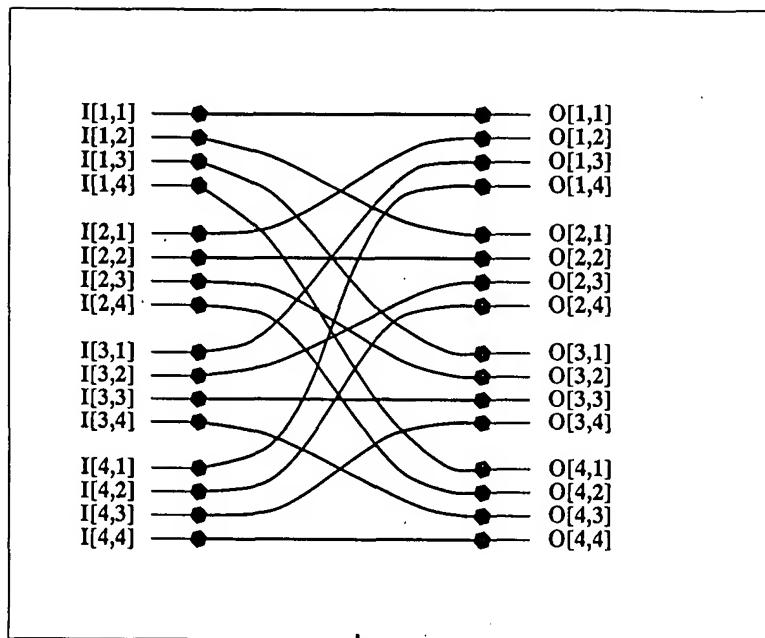


FIG. 8

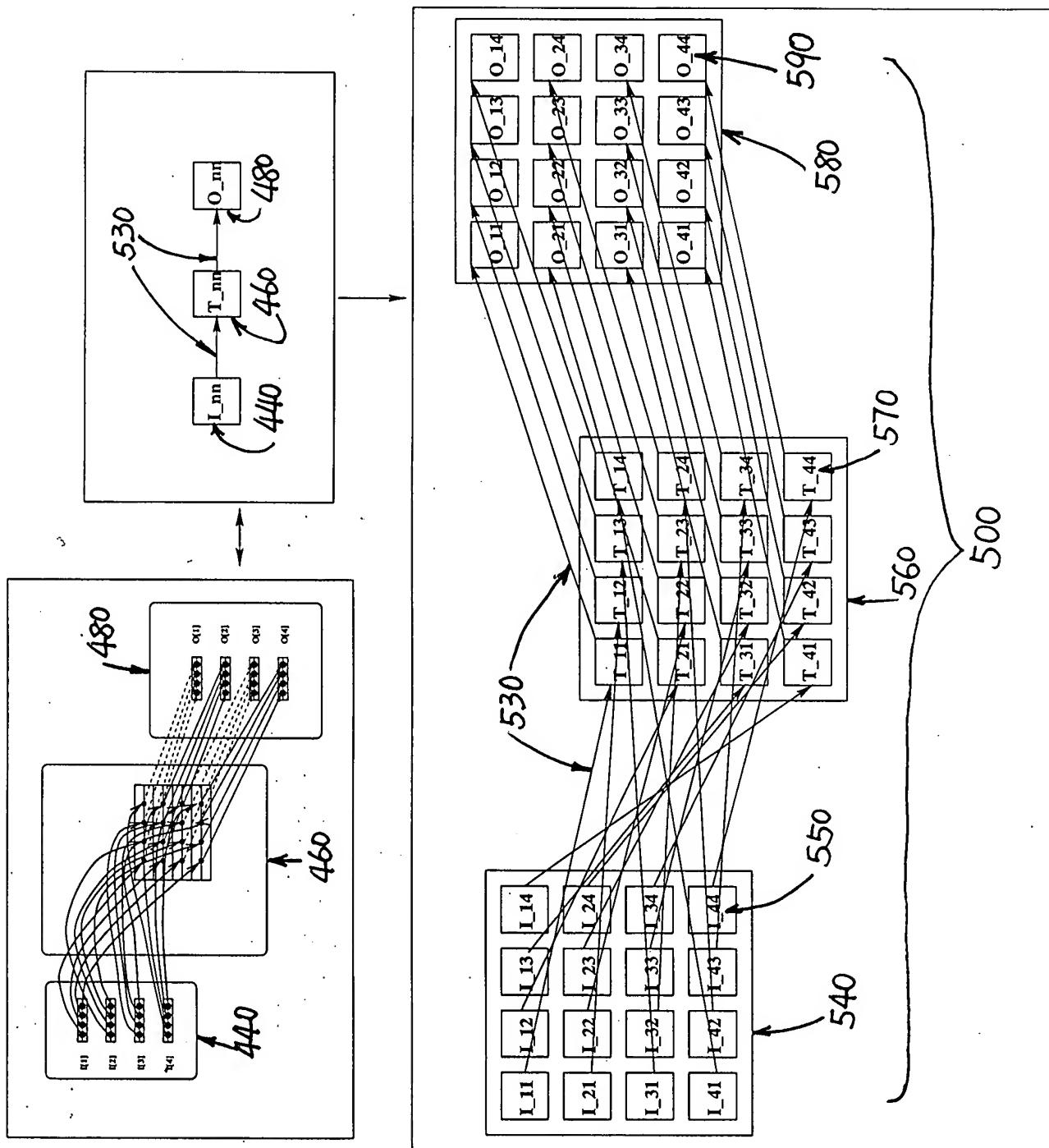


FIG. 9

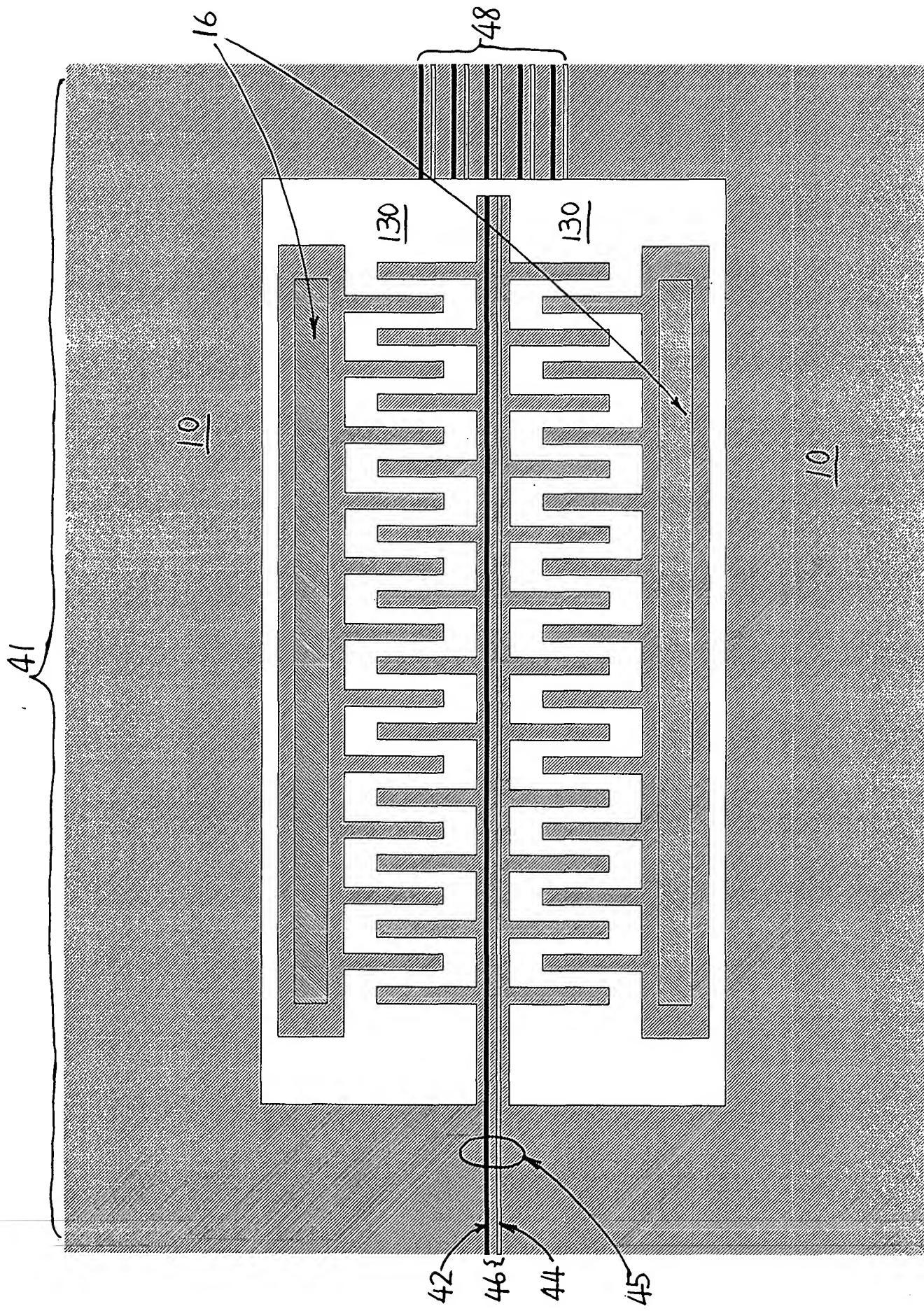


FIG. 10

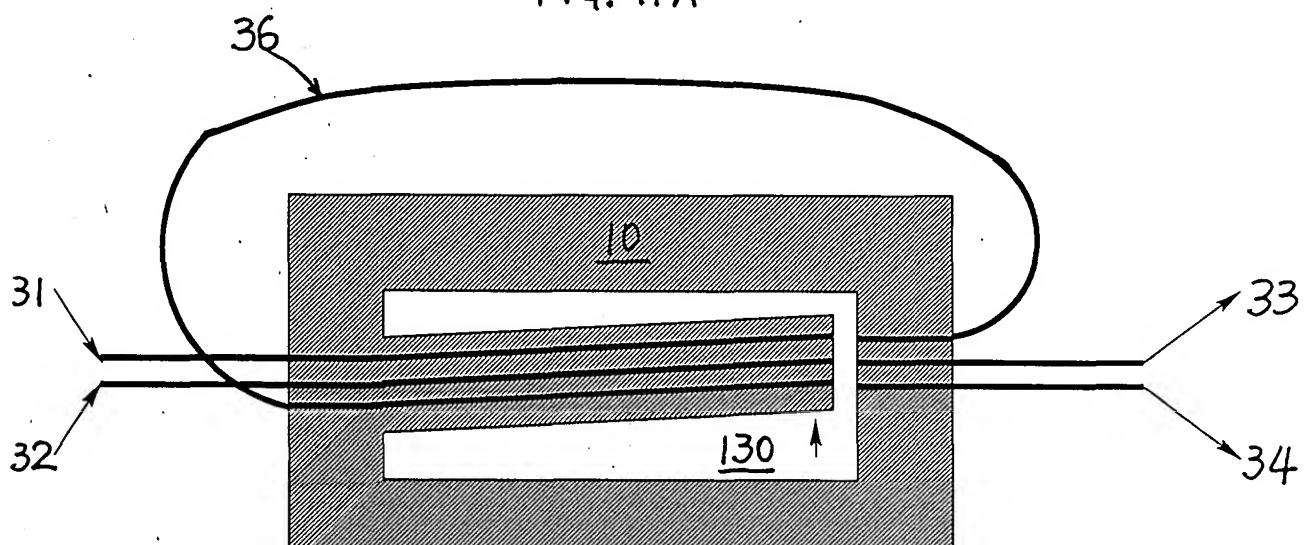
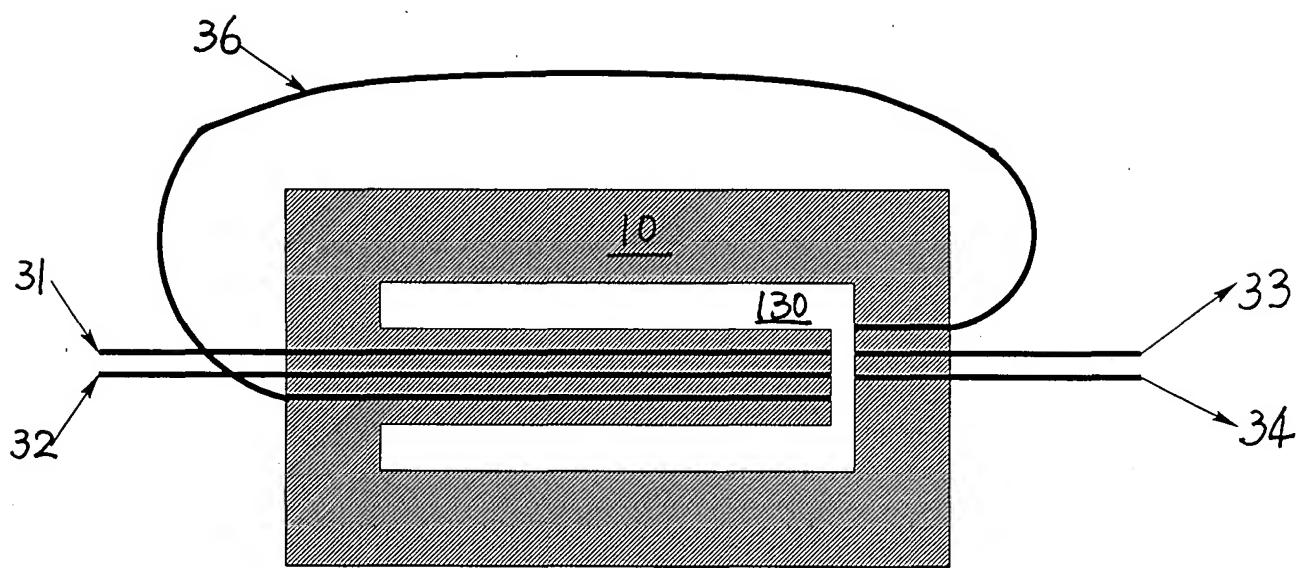


FIG. 11